Progress Energy

November 27, 2007

Charles L.A. Terreni
Chief Clerk and Administrator
South Carolina Public Service Commission
Post Office Drawer 11649
Columbia, South Carolina 29211

Re: Carolina Power & Light Company d/b/a Progress Energy Carolinas, Inc.
Power Plant Performance Report (October 2007)
Docket No. 2006-224-E

Dear Mr. Terreni:

Enclosed are an original and one copy of the Power Plant Performance Report for Carolina Power & Light Company d/b/a Progress Energy Carolinas, Inc. for the month of October 2007.

Sincerely,

s/ Len S. Anthony

Len S. Anthony
Deputy General Counsel – Regulatory Affairs

LSA/dhs
Enclosures
45612

c: John Flitter (ORS)

October 2007

The following units had no off-line outages during the month of October:

Brunswick Unit 1
Brunswick Unit 2
Robinson Unit 2
Mayo Unit 1

October 2007

Harris Unit 1

Full Scheduled Outage

A. Duration: The unit entered a scheduled refueling outage at 0:00 on September 29, and was returned to service at 5:34 on October 23, a total duration of 581 hours and 34 minutes. 533 hours and 34 minutes of the outage occurred during October.

B: Cause: Scheduled Refueling Outage

C: Explanation: The unit was taken out of service for a scheduled refueling outage in September, and planned outage activities continued into October. In addition to refueling, required maintenance and inspections were carried out during the outage.

D: Corrective Action: Planned outage activities, including refueling, inspections, and maintenance, were completed and the unit was returned to service according to schedule.

October 2007

Roxboro Unit 2

Full Forced Outage

A. Duration: The unit was taken out of service at 22:40 on October 24, and returned to service at 10:31 on October 25, a duration of 11 hours and 51 minutes.

B. Cause: Main Transformer Malfunction

C. Explanation: The unit was forced offline due to a malfunction of the 2C main bank transformer, and the unit experienced a lockout as a result.

D. Corrective Action: Corrective maintenance activities were completed, and the unit was returned to service.

October 2007

Roxboro Unit 3

Full Forced Outage

A. Duration: The unit was taken out of service at 19:46 on October 17, and returned to service at 22:06 on October 17, a duration of 2 hours and 20 minutes.

B. Cause: Excessive Turbine Vibration

C. Explanation: The unit was forced out of service due to excessive turbine vibration. High vibration caused the main turbine to trip, and resulted in the unit experiencing a lock out.

D. Corrective Action: Adjustments were required on the turbine to allow the unit to return to full power. The adjustments were made in a timely manner, and the unit was returned to service.

October 2007

Roxboro Unit 4

Full Scheduled Outage

A. Duration: The unit was taken out of service at 23:15 on October 19, and remained offline for the remainder of the month. The unit was offline for 288 hours and 45 minutes during October.

B. Cause: Major Turbine Outage, Boiler Inspections, and Installation of Environmental Modifications

C. Explanation: The unit was taken out of service for a major turbine outage, and boiler repairs and inspections. Additionally, installation of the flue gas desulfurization system is to be carried out during the outage.

D. Corrective Action: Planned outage activities were in progress at the end of October.

	Month of October 2007		Twelve Month Summary		See Notes*
MDC	938	MW	938	MW	1
Period Hours	744	HOURS	8,759	HOURS	
Net Generation	715,442	MWH	7,887,788	MWH	2
Capacity Factor	102.52	%	96.01	%	
Equivalent Availability	99.98	%	93.47	%	
Output Factor	102.52	%	101.45	%	
Heat Rate	10,349	BTU/KWH	10,353	BTU/KWH	

	MWH	% of Possible	MWH	% of Possible	
Full Scheduled	0	0.00	326,159	3.97	3
Partial Scheduled	124	0.02	47,831	0.58	4
Full Forced	0	0.00	114,389	1.39	5
Partial Forced	0	0.00	40,531	0.49	6
Economic Dispatch	0	0.00	0	0.00	7
Possible MWH	697,872		8,215,942		8

* See 'Notes for Nuclear Units' filed with the January 2007 report.
** Gross of Power Agency

	Month of October 2007		Twelve Month Summary		See Notes*
MDC	937	MW	937	MW	1
Period Hours	744	HOURS	8,759	HOURS	
Net Generation	701,943	MWH	6,566,511	MWH	2
Capacity Factor	100.69	%	80.01	%	
Equivalent Availability	99.72	%	79.43	%	
Output Factor	100.69	%	98.59	%	
Heat Rate	10,527	BTU/KWH	10,579	BTU/KWH	

	MWH	% of Possible	MWH	% of Possible	
Full Scheduled	0	0.00	1,040,570	12.68	3
Partial Scheduled	1,983	0.28	105,849	1.29	4
Full Forced	0	0.00	506,464	6.17	5
Partial Forced	0	0.00	35,753	0.44	6
Economic Dispatch	0	0.00	0	0.00	7
Possible MWH	697,128		8,207,183		8

* See 'Notes for Nuclear Units' filed with the January 2007 report.
** Gross of Power Agency

	Month of October 2007		Twelve Month Summary		See Notes*
MDC	900	MW	900	MW	1
Period Hours	744	HOURS	8,759	HOURS	
Net Generation	137,065	MWH	7,417,400	MWH	2
Capacity Factor	20.47	%	94.09	%	
Equivalent Availability	24.67	%	93.02	%	
Output Factor	72.37	%	100.80	%	
Heat Rate	10,672	BTU/KWH	10,820	BTU/KWH	

	MWH	% of Possible	MWH	% of Possible	
Full Scheduled	480,210	71.72	523,410	6.64	3
Partial Scheduled	0	0.00	1,450	0.02	4
Full Forced	0	0.00	1,320	0.02	5
Partial Forced	52,325	7.81	66,157	0.84	6
Economic Dispatch	0	0.00	0	0.00	7
Possible MWH	669,600		7,883,100		8

* See 'Notes for Nuclear Units' filed with the January 2007 report.
** Gross of Power Agency

	Month of October 2007		Twelve Month Summary		See Notes*
MDC	710	MW	710	MW	1
Period Hours	744	HOURS	8,759	HOURS	
Net Generation	550,437	MWH	5,733,718	MWH	2
Capacity Factor	104.20	%	92.20	%	
Equivalent Availability	100.00	%	88.58	%	
Output Factor	104.20	%	103.21	%	
Heat Rate	10,770	BTU/KWH	10,815	BTU/KWH	

	MWH	% of Possible	MWH	% of Possible	
Full Scheduled	0	0.00	628,586	10.11	3
Partial Scheduled	0	0.00	16,784	0.27	4
Full Forced	0	0.00	34,707	0.56	5
Partial Forced	0	0.00	24,164	0.39	6
Economic Dispatch	0	0.00	9,775	0.16	7
Possible MWH	528,240		6,218,890		8

* See 'Notes for Nuclear Units' filed with the January 2007 report.

	Month of October 2007		Twelve Month Summary		See Notes*
MDC	741	MW	742	MW	1
Period Hours	744	HOURS	8,759	HOURS	
Net Generation	406,822	MWH	4,627,703	MWH	2
Capacity Factor	73.79	%	71.30	%	
Equivalent Availability	92.09	%	90.32	%	
Output Factor	73.79	%	75.97	%	
Heat Rate	10,325	BTU/KWH	10,399	BTU/KWH	

	MWH	% of Possible	MWH	% of Possible	
Full Scheduled	0	0.00	363,815	5.60	3
Partial Scheduled	24,050	4.36	139,498	2.15	4
Full Forced	0	0.00	35,457	0.55	5
Partial Forced	19,533	3.54	89,949	1.38	6
Economic Dispatch	100,899	18.30	1,239,853	19.09	7
Possible MWH	551,304		6,496,258		8

* See 'Notes for Fossil Units' filed with the January 2007 report.
** Gross of Power Agency

	Month of October 2007		Twelve Month Summary		See Notes*
MDC	639	MW	644	MW	1
Period Hours	744	HOURS	8,759	HOURS	
Net Generation	453,974	MWH	4,375,527	MWH	2
Capacity Factor	95.49	%	77.55	%	
Equivalent Availability	96.83	%	84.83	%	
Output Factor	97.04	%	89.40	%	
Heat Rate	8,970	BTU/KWH	9,251	BTU/KWH	

	MWH	% of Possible	MWH	% of Possible	
Full Scheduled	0	0.00	578,970	10.26	3
Partial Scheduled	0	0.00	167,402	2.97	4
Full Forced	7,572	1.59	80,589	1.43	5
Partial Forced	7,489	1.58	24,578	0.44	6
Economic Dispatch	6,381	1.34	432,028	7.66	7
Possible MWH	475,416		5,642,256		8

* See 'Notes for Fossil Units' filed with the January 2007 report.

	Month of October 2007		Twelve Month Summary		See Notes*
MDC	705	MW	705	MW	1
Period Hours	744	HOURS	8,759	HOURS	
Net Generation	381,498	MWH	4,183,452	MWH	2
Capacity Factor	72.73	%	67.72	%	
Equivalent Availability	92.87	%	85.69	%	
Output Factor	72.96	%	76.34	%	
Heat Rate	11,117	BTU/KWH	11,025	BTU/KWH	

	MWH	% of Possible	MWH	% of Possible	
Full Scheduled	0	0.00	571,241	9.25	3
Partial Scheduled	15,393	2.93	85,218	1.38	4
Full Forced	1,645	0.31	102,613	1.66	5
Partial Forced	20,376	3.88	125,792	2.04	6
Economic Dispatch	105,608	20.13	1,109,707	17.96	7
Possible MWH	524,520		6,178,015		8

* See 'Notes for Fossil Units' filed with the January 2007 report.

	Month of October 2007		Twelve Month Summary		See Notes*
MDC	698	MW	698	MW	1
Period Hours	744	HOURS	8,759	HOURS	
Net Generation	234,559	MWH	4,201,343	MWH	2
Capacity Factor	45.17	%	68.69	%	
Equivalent Availability	61.12	%	93.75	%	
Output Factor	73.82	%	71.61	%	
Heat Rate	10,455	BTU/KWH	10,483	BTU/KWH	

	MWH	% of Possible	MWH	% of Possible	
Full Scheduled	201,548	38.81	241,276	3.94	3
Partial Scheduled	0	0.00	116,099	1.90	4
Full Forced	0	0.00	0	0.00	5
Partial Forced	353	0.07	24,527	0.40	6
Economic Dispatch	82,852	15.95	1,533,465	25.07	7
Possible MWH	519,312		6,116,702		8

* See 'Notes for Fossil Units' filed with the January 2007 report.
** Gross of Power Agency

Run Date 11/19/2007

Plant	Unit	Current MW Rating	January 2006 - December 2006	October 2007	January 2007 - October 2007
Asheville	1	197	72.44	68.05	60.63
Asheville	2	186	60.37	75.71	72.36
Cape Fear	5	144	72.32	84.24	79.65
Cape Fear	6	173	65.99	77.00	73.29
Lee	1	77	47.56	70.04	61.27
Lee	2	77	43.52	67.84	63.55
Lee	3	252	60.06	51.29	68.48
Mayo	1	741	67.04	73.79	71.86
Robinson	1	180	78.19	60.38	71.49
Roxboro	1	383	77.79	47.18	77.94
Roxboro	2	639	81.26	95.49	77.11
Roxboro	3	705	59.60	72.73	74.75
Roxboro	4	698	65.20	45.17	69.78
Sutton	1	97	44.30	39.57	57.74
Sutton	2	106	46.43	69.94	64.44
Sutton	3	403	54.54	69.99	55.20
Weatherspoon	1	49	36.15	58.45	55.74
Weatherspoon	2	49	37.40	57.98	57.63
Weatherspoon	3	79	50.52	80.28	69.35
Fossil System Total		5,235	65.25	67.89	70.45
Brunswick	1	938	87.51	102.52	94.74
Brunswick	2	937	89.68	100.69	84.19
Harris	1	900	89.16	20.47	92.24
Robinson Nuclear	2	710	103.59	104.20	89.38
Nuclear System Total		3,485	91.80	81.18	90.17
Total System		8,720	75.80	73.20	78.33

Amended SC Fuel Rule
Related to Nuclear Operations

There shall be a rebuttable presumption that an electrical utility made every reasonable effort to minimize cost associated with the operation of its nuclear generation system if the utility achieved a net capacity factor of ≥ 92.5% during the 12 month period under review. For the test period April 1, 2007 through October 31, 2007, actual period to date performance is summarized below:

Period to Date: April 1, 2007 to October 31, 2007

Nuclear System Capacity Factor Calculation (Based on net generation)

A.. Nuclear system actual generation for SCPSC test period	A =	15,839,775 MWH
B. Total number of hours during SCPSC test period	B =	5,136 hours
C. Nuclear system MDC during SCPSC test period (see page 2)	C =	3,485 MW
D. Reasonable nuclear system reductions (see page 2)	D =	2,217,634 MWH

A. SC Fuel Case nuclear system capacity factor: [(A + D) / (B + C)] * 100 = 100.9%

NOTE:
If Line Item E > 92.5%, presumption of utility's minimum cost of operation.
If Line Item E < 92.5%, utility has burden of proof of reasonable operations.

Amended SC Fuel Rule
Nuclear System Capacity Factor Calculation
Reasonable Nuclear System Reductions
Period to Date: April 1, 2007 to October 31, 2007

Nuclear Unit Name and Designation	BNP Unit # 1	BNP Unit # 2	HNP Unit # 1	RNP Unit # 2	Nuclear System
Unit MDC	938 MW	937 MW	900 MW	710 MW	3,485 MW
Reasonable refueling otuage time (MWH)	0	392,521	480,210	628,587	
Reasonable maintenance, repair, and equipment replacement outage time (MWH)	475,717	19,774	68,740	34,707	
Reasonable coast down power reductions (MWH)	0	0	0	6,195	
Reasonable power ascension power reductions (MWH)	31,774	32,350	0	22,063	
Prudent NRC required testing outages (MWH)	3,377	6,967	456	0	
SCPSC identified outages not directly under utility control (MWH)	0	0	0	0	
Acts of Nature reductions (MWH)	0	0	0	14,196	
Reasonable nuclear reduction due to low system load (MWH)	0	0	0	0	
Unit total excluded MWH	510,868	451,612	549,406	705,748	
Total reasonable outage time exclusions [carry to Page 1, Line D]					2,217,634